

September 19, 2016

Mr. Joe Baeten
Wisconsin Department of Natural Resources
Green Bay Service Center
2984 Shawano Avenue
Green Bay, Wisconsin 54313

RE: Irrigation Well Sampling
Central Sands Dairy, LLC
Town of Armenia, Juneau County, Wisconsin

Dear Mr. Baeten:

Pursuant to our approved work plan dated October 16, 2015 and on behalf of Central Sands Dairy, LLC (CSD), R/N Environmental Services, LLC (R/N) sampled water from three of the irrigation wells near CSD: RDO9, RDO12 and RDO13 (see Figure 1). Samples were collected on August 31, 2016.

Based on a screen and casing diameter of 16 inches, and a water column of approximately 80 feet, the screen and casing volume of the well is approximately 840 gallons. Prior to sampling, each pump operated for a minimum of five minutes, purging more than 5,000 gallons of water, or greater than five casing volumes. After purging, a sample was collected from a tap located on the wellhead. During the purging process, the water discharged through the irrigator, as it would in normal irrigation practice.

Samples were collected in laboratory-supplied containers and immediately placed in an iced cooler after collection. After sample collection was completed, the cooler was shipped, along with a completed chain of custody, to the Test America lab in College Park, Illinois. The samples were analyzed for nitrogen, as nitrite plus nitrate, ammonium, total Kjeldahl nitrogen, potassium and phosphorus.

Laboratory reports are included as Attachment A, and results are summarized in Table 1. The sample from all wells exceeded the Wisconsin Enforcement Standard for nitrate (10 mg/L) at 23 mg/L (RDO9), 21 mg/L (RDO12) and 15 (RDO13) mg/L. However, all three results are reduced

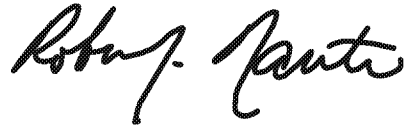
4811 Monona Drive • Monona, Wisconsin 53713
Phone: 608.576.3001

from the July 2016 sample results. No other exceedances of the Wisconsin Enforcement Standards or Preventive Action Limits were detected in the samples.

This completes the work scheduled in our approved October 16, 2015 work plan. No additional sampling of irrigation wells is planned.

Sincerely,

RJN ENVIRONMENTAL SERVICES, LLC



Robert J. Nauta, P.G.
Hydrogeologist

Cc: Ex. 6 Personal Privacy (PP) Central Sands Dairy, LLC
David A. Crass, Michael, Best & Friedrich
Cameron Field, Michael, Best & Friedrich
Email: Adam Scheunemann, WDNR Wastewater Specialist
Jane Landretti, WDNR Attorney
Mary Anne Lowndes, WDNR Runoff Management Section Chief
Laura Chern, WDNR Hydrogeologist
Andrew Craig, WDNR Nonpoint Source Planning Coordinator and NMP Specialist
Gretchen Wheat, WDNR Water Resources Engineer

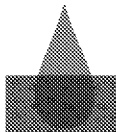


TABLE 1
IRRIGATION WELL SAMPLE RESULTS
CENTRAL SANDS DAIRY
Results in mg/L

Parameter	PAL	ES	RDO9					
			6/17/16	Q	7/26/16	Q	8/31/16	Q
Potassium	NL	NL	3.7		9.9		9.6	
Nitrate + Nitrite	2	10	10		33	B	23	
Total Kjeldahl nitrogen	NL	NL	0.6	B	2.2	B	0.57	B
Ammonia	0.97	9.7	<0.028		6.1	B	0.23	
Phosphorus	NL	NL	0.023	JB	0.099		0.036	J

PAL: Preventive action limit.

ES: Enforcement standard.

NL: No PAL or ES listed.

Q: Result qualifiers:

B: Compound was present in the sample and the method (lab) blank.

J: Result is less than the reporting limit but greater than the method detection limit and the concentration is an approximate value.

TABLE 1
IRRIGATION WELL SAMPLE RESULTS
CENTRAL SANDS DAIRY
Results in mg/L

Parameter	PAL	ES	RDO12							
			10/16/15	Q	6/17/16	Q	7/26/16	Q	8/31/16	Q
Potassium	NL	NL	3.3		3.1		5.7		5.8	
Nitrate + Nitrite	2	10	9.4		17		22	B	21	
Total Kjeldahl nitrogen	NL	NL	0.67	B	0.63	B	0.69	B	1.9	B
Ammonia	0.97	9.7	0.14	JB	0.097	J	0.19	B	0.50	
Phosphorus	NL	NL	0.062		0.042	JB	0.037	J	0.031	J

PAL: Preventive action limit.

ES: Enforcement standard.

NL: No PAL or ES listed.

Q: Result qualifiers:

B: Compound was present in the sample and the method (lab) blank.

J: Result is less than the reporting limit but greater than the method detection limit and the concentration is an approximate value.

TABLE 1
IRRIGATION WELL SAMPLE RESULTS
CENTRAL SANDS DAIRY
Results in mg/L

Parameter	PAL	ES	RDO13							
			10/16/15	Q	6/16/16	Q	7/26/16	Q	8/31/16	Q
Potassium	NL	NL	5.6		6.0		7.2		5.2	
Nitrate + Nitrite	2	10	14		26		30	B	15	
Total Kjeldahl nitrogen	NL	NL	0.85	B	0.77	B	0.71	B	1.2	B
Ammonia	0.97	9.7	0.14	JB	0.091	J	0.23	B	0.35	
Phosphorus	NL	NL	0.056		0.045	JB	0.042	J	0.060	

PAL: Preventive action limit.

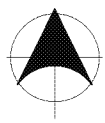
ES: Enforcement standard.

NL: No PAL or ES listed.

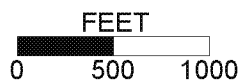
Q: Result qualifiers:

B: Compound was present in the sample and the method (lab) blank.

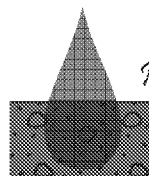
J: Result is less than the reporting limit but greater than the method detection limit and the concentration is an approximate value.



NORTH



 IRRIGATION
WELL



RJN Environmental Services, LLC

Surface Water Studies
 Groundwater Studies
 Site Investigations

802 WEST BROADWAY, SUITE 200, MONONA, WISCONSIN

CENTRAL SANDS DAIRY, LLC
 JUNEAU COUNTY, WISCONSIN
 IRRIGATION WELL LOCATIONS

DRAWN BY	PROJ. No.	DATE	FILE
RN	14-203	01 OCT 15	IRR WELLS

FIGURE
1

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Chicago

2417 Bond Street

University Park, IL 60484

Tel: (708)534-5200

TestAmerica Job ID: 500-116488-1

Client Project/Site: Central Sands Dairy - 14-203

For:

RJN Environmental Services LLC

4631 County Road A

Oregon, Wisconsin 53575

Attn: Robert J Nauta



Authorized for release by:

9/12/2016 3:24:10 PM

Sandie Fredrick, Project Manager II

(920)261-1660

sandie.fredrick@testamericainc.com

LINKS

Review your project
results through

Total Access

Have a Question?



Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAP and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1

Table of Contents 2

Case Narrative 3

Detection Summary 4

Method Summary 5

Sample Summary 6

Client Sample Results 7

Definitions 8

QC Association 9

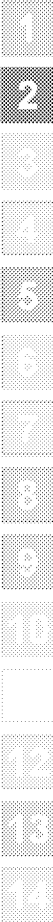
QC Sample Results 11

Chronicle 13

Certification Summary 15

Chain of Custody 16

Receipt Checklists 18



Case Narrative

Client: RJN Environmental Services LLC
Project/Site: Central Sands Dairy - 14-203

TestAmerica Job ID: 500-116488-1

Job ID: 500-116488-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-116488-1

Comments

No additional comments.

Receipt

The samples were received on 9/1/2016 10:35 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 6.1° C, 6.1° C and 6.7° C.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: RJN Environmental Services LLC
Project/Site: Central Sands Dairy - 14-203

TestAmerica Job ID: 500-116488-1

Client Sample ID: RDO 9

Lab Sample ID: 500-116488-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	9.6		0.50	0.19	mg/L	1		6020	Total Recoverable
Nitrogen, Nitrate Nitrite	23		2.5	1.1	mg/L	25		353.2	Total/NA
Nitrogen, Kjeldahl	0.57	B	0.40	0.15	mg/L	1		4500 NH3 G	Total/NA
Ammonia	0.23		0.20	0.10	mg/L	1		SM 4500 NH3 G	Total/NA
Phosphorus as P	0.036	J	0.050	0.015	mg/L	1		SM 4500 P E	Total/NA

Client Sample ID: RDO 12

Lab Sample ID: 500-116488-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	5.8		0.50	0.19	mg/L	1		6020	Total Recoverable
Nitrogen, Nitrate Nitrite	21		2.5	1.1	mg/L	25		353.2	Total/NA
Nitrogen, Kjeldahl	1.9	B	0.40	0.15	mg/L	1		4500 NH3 G	Total/NA
Ammonia	0.50		0.20	0.10	mg/L	1		SM 4500 NH3 G	Total/NA
Phosphorus as P	0.031	J	0.050	0.015	mg/L	1		SM 4500 P E	Total/NA

Client Sample ID: RDO 13

Lab Sample ID: 500-116488-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	5.2		0.50	0.19	mg/L	1		6020	Total Recoverable
Nitrogen, Nitrate Nitrite	15		2.5	1.1	mg/L	25		353.2	Total/NA
Nitrogen, Kjeldahl	1.2	B	0.40	0.15	mg/L	1		4500 NH3 G	Total/NA
Ammonia	0.35		0.20	0.10	mg/L	1		SM 4500 NH3 G	Total/NA
Phosphorus as P	0.060		0.050	0.015	mg/L	1		SM 4500 P E	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Method Summary

Client: RJN Environmental Services LLC
Project/Site: Central Sands Dairy - 14-203

TestAmerica Job ID: 500-116488-1

Method	Method Description	Protocol	Laboratory
6020	Metals (ICP/MS)	SW846	TAL CHI
353.2	Nitrogen, Nitrate-Nitrite	MCAWW	TAL CHI
4500 NH3 G	4500NH3 G - Nitrogen, Total Kjeldahl'	SM	TAL CHI
SM 4500 NH3 G	Ammonia	SM	TAL CHI
SM 4500 P E	Phosphorus	SM	TAL CHI

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

TestAmerica Chicago

Sample Summary

Client: RJN Environmental Services LLC
Project/Site: Central Sands Dairy - 14-203

TestAmerica Job ID: 500-116488-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-116488-1	RDO 9	Water	08/31/16 11:50	09/01/16 10:35
500-116488-2	RDO 12	Water	08/31/16 10:15	09/01/16 10:35
500-116488-3	RDO 13	Water	08/31/16 12:10	09/01/16 10:35

TestAmerica Chicago

Client Sample Results

Client: RJN Environmental Services LLC
Project/Site: Central Sands Dairy - 14-203

TestAmerica Job ID: 500-116488-1

Client Sample ID: RDO 9

Date Collected: 08/31/16 11:50

Date Received: 09/01/16 10:35

Lab Sample ID: 500-116488-1

Matrix: Water

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	9.6		0.50	0.19	mg/L		09/01/16 14:48	09/02/16 13:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrate Nitrite	23		2.5	1.1	mg/L			09/07/16 02:26	25
Nitrogen, Kjeldahl	0.57	B	0.40	0.15	mg/L		09/12/16 08:15	09/12/16 12:01	1
Ammonia	0.23		0.20	0.10	mg/L		09/07/16 18:10	09/07/16 21:13	1
Phosphorus as P	0.036	J	0.050	0.015	mg/L		09/02/16 12:49	09/06/16 20:27	1

Client Sample ID: RDO 12

Date Collected: 08/31/16 10:15

Date Received: 09/01/16 10:35

Lab Sample ID: 500-116488-2

Matrix: Water

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	5.8		0.50	0.19	mg/L		09/01/16 14:48	09/02/16 13:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrate Nitrite	21		2.5	1.1	mg/L			09/07/16 02:27	25
Nitrogen, Kjeldahl	1.9	B	0.40	0.15	mg/L		09/12/16 08:15	09/12/16 12:03	1
Ammonia	0.50		0.20	0.10	mg/L		09/07/16 18:10	09/07/16 21:16	1
Phosphorus as P	0.031	J	0.050	0.015	mg/L		09/06/16 16:20	09/08/16 19:27	1

Client Sample ID: RDO 13

Date Collected: 08/31/16 12:10

Date Received: 09/01/16 10:35

Lab Sample ID: 500-116488-3

Matrix: Water

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	5.2		0.50	0.19	mg/L		09/01/16 14:48	09/02/16 13:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrate Nitrite	15		2.5	1.1	mg/L			09/07/16 02:28	25
Nitrogen, Kjeldahl	1.2	B	0.40	0.15	mg/L		09/12/16 08:15	09/12/16 12:06	1
Ammonia	0.35		0.20	0.10	mg/L		09/07/16 18:10	09/07/16 21:19	1
Phosphorus as P	0.060		0.050	0.015	mg/L		09/06/16 16:20	09/08/16 19:28	1

TestAmerica Chicago

Definitions/Glossary

Client: RJN Environmental Services LLC
Project/Site: Central Sands Dairy - 14-203

TestAmerica Job ID: 500-116488-1

Qualifiers

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

QC Association Summary

Client: RJN Environmental Services LLC
Project/Site: Central Sands Dairy - 14-203

TestAmerica Job ID: 500-116488-1

Metals

Prep Batch: 350281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-116488-1	RDO 9	Total Recoverable	Water	3005A	
500-116488-2	RDO 12	Total Recoverable	Water	3005A	
500-116488-3	RDO 13	Total Recoverable	Water	3005A	
MB 500-350281/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-350281/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 350480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-116488-1	RDO 9	Total Recoverable	Water	6020	350281
500-116488-2	RDO 12	Total Recoverable	Water	6020	350281
500-116488-3	RDO 13	Total Recoverable	Water	6020	350281
MB 500-350281/1-A	Method Blank	Total Recoverable	Water	6020	350281
LCS 500-350281/2-A	Lab Control Sample	Total Recoverable	Water	6020	350281

General Chemistry

Prep Batch: 350422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-116488-1	RDO 9	Total/NA	Water	SM 4500 P B	
MB 500-350422/1-A	Method Blank	Total/NA	Water	SM 4500 P B	
LCS 500-350422/2-A	Lab Control Sample	Total/NA	Water	SM 4500 P B	

Prep Batch: 350708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-116488-2	RDO 12	Total/NA	Water	SM 4500 P B	
500-116488-3	RDO 13	Total/NA	Water	SM 4500 P B	
MB 500-350708/1-A	Method Blank	Total/NA	Water	SM 4500 P B	
LCS 500-350708/2-A	Lab Control Sample	Total/NA	Water	SM 4500 P B	

Analysis Batch: 350722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-116488-1	RDO 9	Total/NA	Water	SM 4500 P E	350422
MB 500-350422/1-A	Method Blank	Total/NA	Water	SM 4500 P E	350422
LCS 500-350422/2-A	Lab Control Sample	Total/NA	Water	SM 4500 P E	350422

Prep Batch: 350844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-116488-1	RDO 9	Total/NA	Water	SM 4500 NH3 B	
500-116488-2	RDO 12	Total/NA	Water	SM 4500 NH3 B	
500-116488-3	RDO 13	Total/NA	Water	SM 4500 NH3 B	
MB 500-350844/1-A	Method Blank	Total/NA	Water	SM 4500 NH3 B	
LCS 500-350844/2-A	Lab Control Sample	Total/NA	Water	SM 4500 NH3 B	

Analysis Batch: 350971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-116488-1	RDO 9	Total/NA	Water	SM 4500 NH3 G	350844
500-116488-2	RDO 12	Total/NA	Water	SM 4500 NH3 G	350844
500-116488-3	RDO 13	Total/NA	Water	SM 4500 NH3 G	350844
MB 500-350844/1-A	Method Blank	Total/NA	Water	SM 4500 NH3 G	350844
LCS 500-350844/2-A	Lab Control Sample	Total/NA	Water	SM 4500 NH3 G	350844

TestAmerica Chicago

QC Association Summary

Client: RJN Environmental Services LLC
Project/Site: Central Sands Dairy - 14-203

TestAmerica Job ID: 500-116488-1

General Chemistry (Continued)

Analysis Batch: 350987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-116488-1	RDO 9	Total/NA	Water	353.2	
500-116488-2	RDO 12	Total/NA	Water	353.2	
500-116488-3	RDO 13	Total/NA	Water	353.2	
MB 500-350987/7	Method Blank	Total/NA	Water	353.2	
LCS 500-350987/8	Lab Control Sample	Total/NA	Water	353.2	

Analysis Batch: 351010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-116488-2	RDO 12	Total/NA	Water	SM 4500 P E	350708
500-116488-3	RDO 13	Total/NA	Water	SM 4500 P E	350708
MB 500-350708/1-A	Method Blank	Total/NA	Water	SM 4500 P E	350708
LCS 500-350708/2-A	Lab Control Sample	Total/NA	Water	SM 4500 P E	350708

Prep Batch: 351223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-116488-1	RDO 9	Total/NA	Water	SM4500Norg_C	
500-116488-2	RDO 12	Total/NA	Water	SM4500Norg_C	
500-116488-3	RDO 13	Total/NA	Water	SM4500Norg_C	
MB 500-351223/1-A	Method Blank	Total/NA	Water	SM4500Norg_C	
LCS 500-351223/2-A	Lab Control Sample	Total/NA	Water	SM4500Norg_C	

Analysis Batch: 351310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-116488-1	RDO 9	Total/NA	Water	4500 NH3 G	351223
500-116488-2	RDO 12	Total/NA	Water	4500 NH3 G	351223
500-116488-3	RDO 13	Total/NA	Water	4500 NH3 G	351223
MB 500-351223/1-A	Method Blank	Total/NA	Water	4500 NH3 G	351223
LCS 500-351223/2-A	Lab Control Sample	Total/NA	Water	4500 NH3 G	351223

TestAmerica Chicago

QC Sample Results

Client: RJN Environmental Services LLC
Project/Site: Central Sands Dairy - 14-203

TestAmerica Job ID: 500-116488-1

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 500-350281/1-A
Matrix: Water
Analysis Batch: 350480

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 350281

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	<0.19		0.50	0.19	mg/L		09/01/16 14:48	09/02/16 12:16	1

Lab Sample ID: LCS 500-350281/2-A
Matrix: Water
Analysis Batch: 350480

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 350281

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Potassium	10.0	10.2		mg/L		102	80 - 120

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 500-350987/7
Matrix: Water
Analysis Batch: 350987

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrate Nitrite	<0.045		0.10	0.045	mg/L			09/07/16 00:45	1

Lab Sample ID: LCS 500-350987/8
Matrix: Water
Analysis Batch: 350987

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Nitrogen, Nitrate Nitrite	1.00	0.977		mg/L		98	90 - 110

Method: 4500 NH3 G - 4500NH3 G - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 500-351223/1-A
Matrix: Water
Analysis Batch: 351310

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 351223

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Kjeldahl	0.170	J	0.40	0.15	mg/L		09/12/16 08:15	09/12/16 11:13	1

Lab Sample ID: LCS 500-351223/2-A
Matrix: Water
Analysis Batch: 351310

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 351223

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Nitrogen, Kjeldahl	2.50	2.27		mg/L		91	80 - 120

TestAmerica Chicago

QC Sample Results

Client: RJN Environmental Services LLC
Project/Site: Central Sands Dairy - 14-203

TestAmerica Job ID: 500-116488-1

Method: SM 4500 NH3 G - Ammonia

Lab Sample ID: MB 500-350844/1-A
Matrix: Water
Analysis Batch: 350971

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 350844

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.10		0.20	0.10	mg/L		09/07/16 18:10	09/07/16 20:32	1

Lab Sample ID: LCS 500-350844/2-A
Matrix: Water
Analysis Batch: 350971

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 350844
% Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	Limits
Ammonia	2.50	2.44		mg/L		98	80 - 120

Method: SM 4500 P E - Phosphorus

Lab Sample ID: MB 500-350422/1-A
Matrix: Water
Analysis Batch: 350722

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 350422

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus as P	<0.015		0.050	0.015	mg/L		09/02/16 12:49	09/06/16 20:22	1

Lab Sample ID: LCS 500-350422/2-A
Matrix: Water
Analysis Batch: 350722

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 350422
% Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	Limits
Phosphorus as P	0.500	0.438		mg/L		88	80 - 120

Lab Sample ID: MB 500-350708/1-A
Matrix: Water
Analysis Batch: 351010

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 350708

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus as P	<0.015		0.050	0.015	mg/L		09/06/16 16:20	09/08/16 19:27	1

Lab Sample ID: LCS 500-350708/2-A
Matrix: Water
Analysis Batch: 351010

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 350708
% Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	Limits
Phosphorus as P	0.500	0.439		mg/L		88	80 - 120

TestAmerica Chicago

Lab Chronicle

Client: RJN Environmental Services LLC
Project/Site: Central Sands Dairy - 14-203

TestAmerica Job ID: 500-116488-1

Client Sample ID: RDO 9

Lab Sample ID: 500-116488-1

Date Collected: 08/31/16 11:50

Matrix: Water

Date Received: 09/01/16 10:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			350281	09/01/16 14:48	JNH	TAL CHI
Total Recoverable	Analysis	6020		1	350480	09/02/16 13:31	FXG	TAL CHI
Total/NA	Analysis	353.2		25	350987	09/07/16 02:26	HMW	TAL CHI
Total/NA	Prep	SM4500Norg_C			351223	09/12/16 08:15	HMW	TAL CHI
Total/NA	Analysis	4500 NH3 G		1	351310	09/12/16 12:01	MTB	TAL CHI
Total/NA	Prep	SM 4500 NH3 B			350844	09/07/16 18:10	JBj	TAL CHI
Total/NA	Analysis	SM 4500 NH3 G		1	350971		JBj	TAL CHI
					(Start)	09/07/16 21:13		
					(End)	09/07/16 21:16		
Total/NA	Prep	SM 4500 P B			350422	09/02/16 12:49	JBj	TAL CHI
Total/NA	Analysis	SM 4500 P E		1	350722		JBj	TAL CHI
					(Start)	09/06/16 20:27		
					(End)	09/06/16 20:27		

Client Sample ID: RDO 12

Lab Sample ID: 500-116488-2

Date Collected: 08/31/16 10:15

Matrix: Water

Date Received: 09/01/16 10:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			350281	09/01/16 14:48	JNH	TAL CHI
Total Recoverable	Analysis	6020		1	350480	09/02/16 13:36	FXG	TAL CHI
Total/NA	Analysis	353.2		25	350987	09/07/16 02:27	HMW	TAL CHI
Total/NA	Prep	SM4500Norg_C			351223	09/12/16 08:15	HMW	TAL CHI
Total/NA	Analysis	4500 NH3 G		1	351310	09/12/16 12:03	MTB	TAL CHI
Total/NA	Prep	SM 4500 NH3 B			350844	09/07/16 18:10	JBj	TAL CHI
Total/NA	Analysis	SM 4500 NH3 G		1	350971		JBj	TAL CHI
					(Start)	09/07/16 21:16		
					(End)	09/07/16 21:19		
Total/NA	Prep	SM 4500 P B			350708	09/06/16 16:20	JBj	TAL CHI
Total/NA	Analysis	SM 4500 P E		1	351010		JBj	TAL CHI
					(Start)	09/08/16 19:27		
					(End)	09/08/16 19:28		

Client Sample ID: RDO 13

Lab Sample ID: 500-116488-3

Date Collected: 08/31/16 12:10

Matrix: Water

Date Received: 09/01/16 10:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			350281	09/01/16 14:48	JNH	TAL CHI
Total Recoverable	Analysis	6020		1	350480	09/02/16 13:40	FXG	TAL CHI
Total/NA	Analysis	353.2		25	350987	09/07/16 02:28	HMW	TAL CHI
Total/NA	Prep	SM4500Norg_C			351223	09/12/16 08:15	HMW	TAL CHI
Total/NA	Analysis	4500 NH3 G		1	351310	09/12/16 12:06	MTB	TAL CHI
Total/NA	Prep	SM 4500 NH3 B			350844	09/07/16 18:10	JBj	TAL CHI

TestAmerica Chicago

Lab Chronicle

Client: RJN Environmental Services LLC
Project/Site: Central Sands Dairy - 14-203

TestAmerica Job ID: 500-116488-1

Client Sample ID: RDO 13

Lab Sample ID: 500-116488-3

Date Collected: 08/31/16 12:10

Matrix: Water

Date Received: 09/01/16 10:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 NH3 G		1	350971	(Start) 09/07/16 21:19 (End) 09/07/16 21:22	JBJ	TAL CHI
Total/NA	Prep	SM 4500 P B			350708	09/06/16 16:20	JBJ	TAL CHI
Total/NA	Analysis	SM 4500 P E		1	351010	(Start) 09/08/16 19:28 (End) 09/08/16 19:28	JBJ	TAL CHI

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

TestAmerica Chicago

Certification Summary

Client: RJN Environmental Services LLC
Project/Site: Central Sands Dairy - 14-203

TestAmerica Job ID: 500-116488-1

Laboratory: TestAmerica Chicago

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Wisconsin	State Program	5	999580010	08-31-17

TestAmerica Chicago


RIN Environmental Services, LLC

Surface Water Studies
Groundwater Studies
Site Investigations

Project Name: Central Sand Dairy
Project Number: 14-203
Report to: Robert Nauta
Invoice to: Robert Nauta



500-116488 COC

Client Name: RJN Environmental Services, LLC
Address: 4811 Monona Drive
City/State/Zip: Monona, WI 53713
Phone: 608.576.3001
Fax:
Project Manager: Robert Nauta
Email: rjnesllc@charter.net
Sampler Name: Robert Nauta
Sampler signature: 

PRESERVATION

TURNAROUND TIME:

<input checked="" type="checkbox"/>	Standard
<input type="checkbox"/>	Rush

Fax results: Y N

Email results: Y N

COMMENTS

[illegible]

ORIGIN ID:MSNA (508) 576-3001
BOB NAUTA
RUN ENV SVC
4811 MONONA DR
MONONA, WI 53713
UNITED STATES US

TO SAMPLE RECEIPT

TESTAMERICA CHICAGO LAB
2417 BOND ST

UNIVERSITY PARK IL 60484
(708) 534-5200
(NI)

REF: 3
DO:
INU:
(708) 534-5200

DEPT:

FedEx

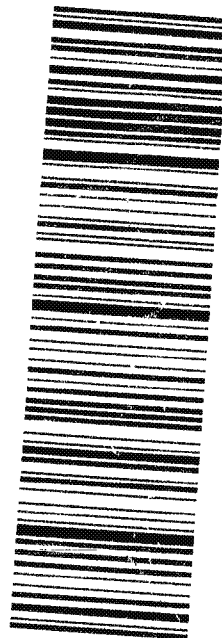


THU - 01 SEP 3:00P
STANDARD OVERNIGHT

2 of 3
MP# 7839 7196 5325
0263
Mstr# 7839 7196 5314

79 JOTA

60484
IL-US ORD



Page 17 of 18

500-116488 Waybill

3 of 3

MPS# 7839 7196 5336
0263

Mstr# 7839 7196 5314

79 JOTA

THU - 01 SEP 3:00
STANDARD OVERNIGHT

6048

IL-10S OF



ORIGIN ID:MSNA (608) 576-3001
BOB NAUTA
RJN ENV SVC
4811 MONONA DR

MONONA, WI 53713
UNITED STATES US

TO SAMPLE RECEIPT
TESTAMERICA CHICAGO LAB
2417 BOND ST

UNIVERSITY PARK IL 60484

(708) 534-5200
INV:
PO:

REF :

DEPT 1

FedEx
Express



SHIP DATE: 31AUG16
ACTWGT: 55.30 LB
CAD: 006894589/8SFE1704
DIMS: 26x13x14 IN
BILL RECIPIENT

9/12/2016

ED_004625A_00006557-00023

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 08-28-2001 BY 60322 UCBAW

13

Login Sample Receipt Checklist

Client: RJN Environmental Services LLC

Job Number: 500-116488-1

Login Number: 116488

List Source: TestAmerica Chicago

List Number: 1

Creator: Kelsey, Shawn M

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	